JOURNAL OF THE
AMERICAN SOCIETY FOR INFORMATION SCIENCE
Index to Volume 27, 1976

Those using this subject index may notice its resemblance to the *Collective Index to Volumes 1-25 of JASIS*. It's no accident. With very few exceptions, the terms used to index the 1976 articles come from the term list generated by the *Collective Index* effort.

The *Collective Index* was produced using intellectual indexing techniques and automated methods. Each significant article published during the past 25 years was abstracted and these abstracts comprised the first portion of the publication. Abstracts were written for those articles which did not already have author abstracts. The *Collective Index* abstracts were keyed to cassette storage and then converted to computer storage. Editing was accomplished via an on-line video display text editing system, QWIK-DRAFT—a software system of Aspen Systems Corporation. The Subject Index of the Collective Index was machine-generated, using a program especially designed for this purpose, from terms contained in the titles and the abstracts. However, the index terms were intellectually selected and cross-referenced through the use of a Key-Word-in-Context (KWIC) index.

We refer to the list of index terms used for the *Collective Index* as the Controlled Vocabulary. We found that this Controlled Vocabulary for the *Collective Index* satisfied most of the needs for indexing the 1976 articles. In the very few cases where this was not so a new term was created and used.

SUBJECT INDEX

Subject	Issue/Page
Abbreviations	
The Use of Abbreviations and Acronyms in the Physics Literature	2/81
Abstracting	
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Abstracting and indexing services	
Comparison of Printed Bibliographic Descriptions Distributed by BIOSIS, CAS and Ei	1/46
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Acquisition	
Cost-Benefit Model of Library Acquisitions in Terms of Use	1/73
Use of Library Materials in Terms of Age	3/175
Acronyms	
The Use of Abbreviations and Acronyms in the Physics Literature	2/81
American Society for Information Science	
Scientific Freedom and Responsibility	4/211
Annual Review of Information Science and Technology	
A Work Study of the Review Production Process	1/70
ASLIB-Cranfield Project	
Relevance Weighting of Search Terms	3/129
Association measures	
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Associative document retrieval	
An Approach to Associative Retrieval through the Theory of Fuzzy Sets	2/85
Associative indexing	
An Approach to Associative Retrieval through the Theory of Fuzzy Sets	2/85
Authority lists	
Development of an Integrated Energy Vocabulary and the Possibilities for On-line Subject Switching	1/3
A Cataloger's Authority List Maintenance System	4/224
Automatic indexing	
Pragmatic Expansion of an Enumerative Classification Scheme	3/174
Automatic Aids to Profile Construction	4/213
Machine Indexing: Linguistic and Semiotic Implications	4/235
Automatic language processing	
Machine Indexing: Linguistic and Semiotic Implications	4/235
Automatic searching	
A Generalized Flowchart for the Use of ORBIT® and Other On-line Interactive Bibliographic Search Systems	1/57
Prospects for Parallelism and the Computer Crunch	1/63
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153

JOURNAL OF THE
AMERICAN SOCIETY FOR INFORMATION SCIENCE
Index to Volume 27, 1976

Those using this subject index may notice its resemblance to the *Collective Index to Volumes 1-25 of JASIS*. It's no accident. With very few exceptions, the terms used to index the 1976 articles come from the term list generated by the *Collective Index* effort.

The *Collective Index* was produced using intellectual indexing techniques and automated methods. Each significant article published during the past 25 years was abstracted and these abstracts comprised the first portion of the publication. Abstracts were written for those articles which did not already have author abstracts. The *Collective Index* abstracts were keyed to cassette storage and then converted to computer storage. Editing was accomplished via an on-line video display text editing system, QWIK-DRAFT—a software system of Aspen Systems Corporation. The Subject Index of the Collective Index was machine-generated, using a program especially designed for this purpose, from terms contained in the titles and the abstracts. However, the index terms were intellectually selected and cross-referenced through the use of a Key-Word-in-Context (KWIC) index.

We refer to the list of index terms used for the *Collective Index* as the Controlled Vocabulary. We found that this Controlled Vocabulary for the *Collective Index* satisfied most of the needs for indexing the 1976 articles. In the very few cases where this was not so a new term was created and used.

SUBJECT INDEX

Subject	Issue/Page
Abbreviations	
The Use of Abbreviations and Acronyms in the Physics Literature	2/81
Abstracting	
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Abstracting and indexing services	
Comparison of Printed Bibliographic Descriptions Distributed by BIOSIS, CAS and Ei	1/46
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Acquisition	
Cost-Benefit Model of Library Acquisitions in Terms of Use	1/73
Use of Library Materials in Terms of Age	3/175
Acronyms	
The Use of Abbreviations and Acronyms in the Physics Literature	2/81
American Society for Information Science	
Scientific Freedom and Responsibility	4/211
Annual Review of Information Science and Technology	
A Work Study of the Review Production Process	1/70
ASLIB-Cranfield Project	
Relevance Weighting of Search Terms	3/129
Association measures	
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Associative document retrieval	
An Approach to Associative Retrieval through the Theory of Fuzzy Sets	2/85
Associative indexing	
An Approach to Associative Retrieval through the Theory of Fuzzy Sets	2/85
Authority lists	
Development of an Integrated Energy Vocabulary and the Possibilities for On-line Subject Switching	1/3
A Cataloger's Authority List Maintenance System	4/224
Automatic indexing	
Pragmatic Expansion of an Enumerative Classification Scheme	3/174
Automatic Aids to Profile Construction	4/213
Machine Indexing: Linguistic and Semiotic Implications	4/235
Automatic language processing	
Machine Indexing: Linguistic and Semiotic Implications	4/235
Automatic searching	
A Generalized Flowchart for the Use of ORBIT® and Other On-line Interactive Bibliographic Search Systems	1/57
Prospects for Parallelism and the Computer Crunch	1/63
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153

Subject	Issue/Page
Current Awareness with an Augmented Chemical Titles File	3/171
The Stability of Two Common Matching Functions in Classification with Respect to a Proposed Measure	4/248
An *n*-Dimensional Retrieval Model	6/342
Basic research	
Information Science and the Phenomenon of Information	4/197
Classification from PRECIS: Some Possibilities	4/240
Bibliographic organization	
The Internal Processing Format for Bibliographic Data at the Royal Library of Belgium	3/147
Bibliographies	
The Biblio-Profile–A Two-in-One Package of Information: Its Preparation, Production, Marketing, Uses	2/113
Bibliometric analysis	
A General Theory of Bibliometric and Other Cumulative Advantage Processes	5/292
Biblio-Profile	
The Biblio-Profile–A Two-in-One Package of Information: Its Preparation, Production, Marketing, Uses	2/113
Biomedical information systems	
Structure of the Biomedical Literature	1/25
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153
An Experiment in Networking: The LHNCBC Experimental CAI Network, 1971-1975	6/329
Book collections	
Application of a Collection-Control Model for Scientific Libraries	6/320
Book ordering	
Application of a Collection-Control Model for Scientific Libraries	6/320
Book storage	
Application of a Collection-Control Model for Scientific Libraries	6/320
Bradford's Law of Scattering	
The Yield Formula and Bradford's Law	5/281
On the Naranan Interpretation of Bradford's Law	6/339
CAS	
Comparison of Printed Bibliographic Descriptions Distributed by BIOSIS, CAS and Ei	1/46
Cataloging	
A Cataloger's Authority List Maintenance System	4/224
Chemical literature	
Current Awareness with an Augmented Chemical Titles File	3/171
Circulation	
Availability Analysis	6/311
Citation analysis	
Structure of the Biomedical Literature	1/25
Citation indexes	
The Permuterm Subject Index: An Autobiographical Review	5/288
Classification	
Knowledge Space: A Conceptual Basis for the Organization of Knowledge	1/18
Pragmatic Expansion of an Enumerative Classification Scheme	3/174
Classification from PRECIS: Some Possibilities	4/240
CODENS	
On-Line Logging in of Periodicals by CODEN Using Interactive Query Report Processor	4/230
Communication theory	
Representation of the Change of State in an Individual Resulting from Data Acquired and Processed	2/122
Computer-assisted indexing	
Computer-Aided Selection in a Library Network	5/269
Computer-assisted instruction	
An Experiment in Networking: The LHNCBC Experimental CAI Network, 1971-1975	6/329
Computer file management	
Prospects for Parallelism and the Computer Crunch	1/63
The Internal Processing Format for Bibliographic Data at the Royal Library of Belgium	3/147
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153
A Cataloger's Authority List Maintenance System	4/224
Cost analysis	
A Work Study of the Review Production Process	1/70
Cost-Benefit Model of Library Acquisitions in Terms of Use	1/73
Automatic Aids to Profile Construction	4/213
Cost-benefit analysis	
Cost-Benefit Model of Library Acquisitions in Terms of Use	1/73
Use of Library Materials in Terms of Age	3/175
Current awareness services	

Subject	Issue/Page
Current Awareness with an Augmented Chemical Titles File	3/171
Data base structures	
Comparison of Printed Bibliographic Descriptions Distributed by BIOSIS, CAS and Ei	1/46
The Internal Processing Format for Bibliographic Data at the Royal Library of Belgium	3/147
A Mathematical Model for Comparison of Bibliographic Data Bases	3/183
Dewey Decimal Classification	
Pragmatic Expansion of an Enumerative Classification Scheme	3/174
Computer-Aided Selection in a Library Network	5/269
Document usage	
Use of Library Materials in Terms of Age	3/175
Computer-Aided Selection in a Library Network	5/269
A General Theory of Bibliometric and Other Cumulative Advantage Processes	5/292
Availability Analysis	6/311
Application of a Collection-Control Model for Scientific Libraries	6/320
Ei	
Comparison of Printed Bibliographic Descriptions Distributed by BIOSIS, CAS and Ei	1/46
Epidemic theory	
The Epidemiology of Research on "Anomalous Water"	1/53
Ethics	
Information Science and the Phenomenon of Information	4/197
File management	
A Cataloger's Authority List Maintenance System	4/224
Fuzzy set theory	
An Approach to Associative Retrieval through the Theory of Fuzzy Sets	2/85
A Fuzzy Set Characterization of Interaction in Scientific Research	5/307
Indexing	
Knowledge Space: A Conceptual Basis for the Organization of Knowledge	1/18
Index terms	
Relevance Weighting of Search Terms	3/129
Automatic Aids to Profile Construction	4/213
Information dissemination	
The Epidemiology of Research on "Anomalous Water"	1/53
Information needs	
Computer-Aided Selection in a Library Network	5/269
Information networks	
A Library Network Model	2/88
An Experiment in Networking: The LHNCBC Experimental CAI Network, 1971-1975	6/329
Information scattering	
On the Naranan Interpretation of Bradford's Law	6/339
Information system design	
The Internal Processing Format for Bibliographic Data at the Royal Library of Belgium	3/147
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153
Information system evaluation	
Prospects for Parallelism and the Computer Crunch	1/63
Information theory	
Knowledge Space: A Conceptual Basis for the Organization of Knowledge	1/18
Representation of the Change of State in an Individual Resulting from Data Acquired and Processed	2/122
Information Science and the Phenomenon of Information	4/197
Knowledge and Information Spaces: Implications for Retrieval Systems	4/205
Machine Indexing: Linguistic and Semiotic Implications	4/235
Classification from PRECIS: Some Possibilities	4/240
A Fuzzy Set Characterization of Interaction in Scientific Research	5/307
Information utility	
The Library as an Information Utility in the University Context: Evolution and Measurement of Service	2/100
Interest profiles	
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153
Computer-Aided Selection in a Library Network	5/269
Interlibrary loans	
A Library Network Model	2/88
Key-Word-In-Context Indexes	
Preparation of Desk-Top Literature Indexes for Ongoing Research Projects	4/260
The Permuterm Subject Index: An Autobiographical Review	5/288

Subject	Issue/Page
Kiviat-graphs	
Kiviat-Graphs as a Means for Displaying Performance Data for On-Line Retrieval Systems	3/178
Knowledge organization	
Knowledge Space: A Conceptual Basis for the Organization of Knowledge	1/18
Learning theory	
Representation of the Change of State in an Individual Resulting from Data Acquired and Processed	2/122
Library administration	
Availability Analysis	6/311
Application of a Collection-Control Model for Scientific Libraries	6/320
Library costs	
Cost-Benefit Model of Library Acquisitions in Terms of Use	1/73
Use of Library Materials in Terms of Age	3/175
MARC	
The Internal Processing Format for Bibliographic Data at the Royal Library of Belgium	3/147
Mathematical analysis	
An Approach to Associative Retrieval through the Theory of Fuzzy Sets	2/85
A Library Network Model	2/88
The Library as an Information Utility in the University Context: Evolution and Measurement of Service	2/100
Representation of the Change of State in an Individual Resulting from Data Acquired and Processed	2/122
A Mathematical Model for Comparison of Bibliographic Data Bases	3/183
Knowledge and Information Spaces: Implications for Retrieval Systems	4/205
Classification from PRECIS: Some Possibilities	4/240
The Stability of Two Common Matching Functions in Classification with Respect to a Proposed Measure	4/248
A General Theory of Bibliometric and Other Cumulative Advantage Processes	5/292
Availability Analysis	6/311
On the Naranan Interpretation of Bradford's Law	6/339
An *n*-Dimensional Retrieval Model	6/342
Medical literature	
Structure of the Biomedical Literature	1/25
A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents	3/153
An Experiment in Networking: The LHNCBC Experimental CAI Network, 1971-1975	6/329
National Library of Medicine	
An Experiment in Networking: The LHNCBC Experimental CAI Network, 1971-1975	6/329
Natural language	
Machine Indexing: Linguistic and Semiotic Implications	4/235
On-going research	
Preparation of Desk-Top Literature Indexes for Ongoing Research Projects	4/260
On-line retrieval	
Development of an Integrated Energy Vocabulary and the Possibilities for On-line Subject Switching	1/3
A Generalized Flowchart for the Use of ORBIT® and Other On-line Interactive Bibliographic Search Systems	1/57
Kiviat-Graphs as a Means for Displaying Performance Data for On-Line Retrieval Systems	3/178
On-Line Logging in of Periodicals by CODEN Using Interactive Query Report Processor	4/230
On-line serials control	
On-Line Logging in of Periodicals by CODEN Using Interactive Query Report Processor	4/230
Operations research	
A Fuzzy Set Characterization of Interaction in Scientific Research	5/307
ORBIT®	
A Generalized Flowchart for the Use of ORBIT® and Other On-line Interactive Bibliographic Search Systems	1/57
Preparation of Desk-Top Literature Indexes for Ongoing Research Projects	4/260
Parallel processing	
Prospects for Parallelism and the Computer Crunch	1/63
Performance measures	
A Library Network Model	2/88
The Library as an Information Utility in the University Context: Evolution and Measurement of Service	2/100
A Comparison of the Readability of Abstracts with Their Source Documents	2/118
Kiviat-Graphs as a Means for Displaying Performance Data for On-Line Retrieval Systems	3/178
A Mathematical Model for Comparison of Bibliographic Data Bases	3/183
Automatic Aids to Profile Construction	4/213
The Stability of Two Common Matching Functions in Classification with Respect to a Proposed Measure	4/248

Subject	Issue/Page
Is User Satisfaction a Hobgoblin?	4/256
Availability Analysis	6/311
An *n*-Dimensional Retrieval Model	6/342
Permuterm Subject Index	
The Permuterm Subject Index: An Autobiographical Review	5/288
Physics literature	
The Use of Abbreviations and Acronyms in the Physics Literature	2/81
Polywater	
The Epidemiology of Research on "Anomalous Water"	1/53
PRECIS	
Classification from PRECIS: Some Possibilities	4/240
Printed indexes	
Preparation of Desk-Top Literature Indexes for Ongoing Research Projects	4/260
Quality control	
Toward Increased Quality Consciousness for Alcoholism Literature	3/162
Quality of literature	
Toward Increased Quality Consciousness for Alcoholism Literature	3/162
Query formulation	
A Generalized Flowchart for the Use of ORBIT® and Other On-line Interactive Bibliographic Search Systems	1/57
An *n*-Dimensional Retrieval Model	6/342
Queueing theory	
A Library Network Model	2/88
Retrieval completeness	
The Stability of Two Common Matching Functions in Classification with Respect to a Proposed Measure	4/248
Retrieval relevance	
Relevance Weighting of Search Terms	3/129
The Stability of Two Common Matching Functions in Classification with Respect to a Proposed Measure	4/248
Is User Satisfaction a Hobgoblin?	4/256
Review literature	
The Biblio-Profile–A Two-in-One Package of Information: Its Preparation, Production, Marketing, Uses	2/113
Scientific freedom	
Scientific Freedom and Responsibility	4/211
Scientific research	
A Fuzzy Set Characterization of Interaction in Scientific Research	5/307
Scientific responsibility	
Scientific Freedom and Responsibility	4/211
Selective Dissemination of Information	
Pragmatic Expansion of an Enumerative Classification Scheme	3/174
Knowledge and Information Spaces: Implications for Retrieval Systems	4/205
Semantics	
Machine Indexing: Linguistic and Semiotic Implications	4/235
Serial literature	
Structure of the Biomedical Literature	1/25
On-Line Logging in of Periodicals by CODEN Using Interactive Query Report Processor	4/230
The Yield Formula and Bradford's Law	5/281
The Permuterm Subject Index: An Autobiographical Review	5/288
Simulation	
Classification from PRECIS: Some Possibilities	4/240
SMART	
Knowledge and Information Spaces: Implications for Retrieval Systems	4/205
Sorting	
Prospects for Parallelism and the Computer Crunch	1/63
State-of-the-art report	
The Biblio-Profile–A Two-in-One Package of Information: Its Preparation, Production, Marketing, Uses	2/113
Relevance Weighting of Search Terms	3/129
The Yield Formula and Bradford's Law	5/281
A General Theory of Bibliometric and Other Cumulative Advantage Processes	5/292
On the Naranan Interpretation of Bradford's Law	6/339
Subject indexes	
The Permuterm Subject Index: An Autobiographical Review	5/288
System evaluation	
The Library as an Information Utility in the University Context: Evolution and Measurement of Service	2/100
Relevance Weighting of Search Terms	3/129
Automatic Aids to Profile Construction	4/213
An *n*-Dimensional Retrieval Model	6/342
Term weights	
Relevance Weighting of Search Terms	3/129
Text processing	
Automatic Aids to Profile Construction	4/213

Subject	Issue/Page
Universal Decimal Classification	
Pragmatic Expansion of an Enumerative Classification Scheme	3/174
University libraries	
The Library as an Information Utility in the University Context: Evolution and Measurement of Service	2/100
Availability Analysis	6/311
User feedback	
Is User Satisfaction a Hobgoblin?	4/256
Computer-Aided Selection in a Library Network	5/269
User needs	
Is User Satisfaction a Hobgoblin?	4/256
Vocabulary control	
Development of an Integrated Energy Vocabulary and the Possibilities for On-line Subject Switching	1/3

AUTHOR INDEX

Author	Issue/Page
Allen, Albert H.	4/230
Artandi, Susan	4/235
Atherton, Pauline A.	1/18
Bailey, Martha J.	2/81
Belkin, Nicholas A.	4/197
Bennion, Bruce C.	1/53
Bernhard, Gail A.	1/46
Bourgois-Derison, Jaklien M.	3/147
Bulick, Stephen	1/73
Carroll, John M.	1/63
Chafetz, Morris E.	3/162
Clelland, Richard	6/320
Cleveland, Donald	6/342
Cretsos, James M.	4/211
Fetterman, John	1/73
Garfield, Eugene	5/288
Gee, Helen H.	1/25
Goossens, Paula C.	3/147
Haspers, Jan H.	5/281
Heath, Miriam T.	3/153
Hubert, Andre B.	3/147
Hubert, John H.	6/339
Jones, Warren T.	5/307
Kantor, Paul B.	2/100, 5/311
Kent, Allen	1/73
King, Rosemary	2/118
Larson, Julian R.	1/46
Longman, Janet S.	4/213
Lunin, Lois F.	2/113, 3/153
McGill, Michael J.	4/205
Meincke, Peter P.M.	1/18
Montgomery, K. Leon	1/73
Morrow, Deanna I.	1/57
Narin, Francis	1/25
Neuton, Lawrence A.	1/53
Niehoff, Robert T.	1/3
Padin, Mary Ellen	1/46
Pinski, Gabriel	1/25
Price, Derek d.S.	5/292
Richmond, Phyllis A.	4/240
Robertson, Stephen E.	3/129, 4/197
Robson, Allen	4/213
Ross, Ian C.	4/224
Rouse, William B.	2/88
Sachs, Wladimir M.	2/85
Sinha, Bani K.	6/320
Soergel, Dagobert	4/256
Sparck-Jones, Karen	3/129
Spaulding, Frank H.	5/269
Stanton, Robert O.	5/269
Swanson, Rowena W.	1/70
Wooster, Harold	6/329
Yu, Clement T.	4/248

Journal of the American Society for Information Science
Volume Contents, Volume 27

No. 1, January-February 1976

R. T. NIEHOFF	Development of an Integrated Energy Vocabulary and the Possibilities for On-line Subject Switching	3
PETER P.M. MEINCKE PAULINE ATHERTON	Knowledge Space: A Conceptual Basis for the Organization of Knowledge	18
FRANCIS NARIN GABRIEL PINSKI HELEN HOFER GEE	Structure of the Biomedical Literature	25
JULIAN R. LARSON GAIL A. BERNHARD MARY ELLEN PADIN	Comparison of Printed Bibliographic Descriptions Distributed by BIOSIS, CAS and Ei	46
BRUCE C. BENNION LAURENCE A. NEUTON	The Epidemiology of Research on "Anomalous Water"	53
DEANNA I. MORROW	A Generalized Flowchart for the Use of ORBIT® and Other On-line Interactive Bibliographic Search Systems	57
JOHN M. CARROLL	Prospects for Parallelism and the Computer Crunch	63
	Brief Communications	
ROWENA WEISS SWANSON	A Work Study of the Review Production Process	70
K. LEON MONTGOMERY STEPHEN BULICK JOHN FETTERMAN ALLEN KENT	Cost-Benefit Model of Library Acquisitions in Terms of Use	73
	Book Reviews	75
	Letters to the Editor	78
COVER	Blue Horizons	

No. 2, March-April 1976

MARTHA J. BAILEY	The Use of Abbreviations and Acronyms in the Physics Literature	81
WLADIMIR M. SACHS	An Approach to Associative Retrieval through the Theory of Fuzzy Sets	85
WILLIAM B. ROUSE	A Library Network Model	88

P.B. KANTOR — The Library as an Information Utility in the University Context: Evolution and Measurement of Service — 100

LOIS F. LUNIN — The Biblio-Profile—A Two-in-One Package of Information: Its Preparation, Production, Marketing, Uses — 113

ROSEMARY KING — A Comparison of the Readability of Abstracts with Their Source Documents — 118

Brief Communication

DANIEL L. WHITEHEAD, JR. — Representation of the Change of State in an Individual Resulting from Data Acquired and Processed — 122

Book Reviews — 123

COVER — Dazed

No. 3, May-June 1976

S. E. ROBERTSON
K. SPARCK JONES — Relevance Weighting of Search Terms — 129

PAULA C. GOOSSENS
JAKLIEN M. BOURGOIS-DERISON
ANDRE B. HUBERT — The Internal Processing Format for Bibliographic Data at the Royal Library of Belgium — 147

LOIS F. LUNIN
MIRIAM T. HEATH — A Multifaceted Medical Data Information System and One Product: The Index-Handbook of Ototoxic Agents — 153

MORRIS E. CHAFETZ — Toward Increased Quality Consciousness for Alcoholism Literature — 162

Brief Communications

WILLIAM M. MACINTYRE
JOHN M. SOWDEN — Current Awareness with an Augmented Chemical Titles File — 171

CHARLES H. DAVIS — Pragmatic Expansion of an Enumerative Classification Scheme — 174

STEPHEN BULICK
K. LEON MONTGOMERY
JOHN FETTERMAN
ALLEN KENT — Use of Library Materials in Terms of Age — 175

ROGER W. ELLIOTT — Kiviat-Graphs as a Means for Displaying Performance Data for On-Line Retrieval Systems — 178

WILLIAM H. SCHOLZ — A Mathematical Model for Comparison of Bibliographic Data Bases — 183

Book Reviews — 185

COVER — Mountain Greenery

No. 4, July-August 1976

NICHOLAS J. BELKIN STEPHEN E. ROBERTSON	Information Science and the Phenomenon of Information	197
MICHAEL J. MCGILL	Knowledge and Information Spaces: Implications for Retrieval Systems	205
	OPINION PAPER	
JAMES M. CRETSOS	Scientific Freedom and Responsibility	211
ALLEN ROBSON JANET S. LONGMAN	Automatic Aids to Profile Construction	213
IAN C. ROSS	A Cataloger's Authority List Maintenance System	224
ALBERT H. ALLEN EUGENE F. BEIRNE	On-Line Logging in of Periodicals by CODEN Using Interactive Query Report Processor	230
SUSAN ARTANDI	Machine Indexing: Linguistic and Semiotic Implications	235
PHYLLIS A. RICHMOND	Classification from PRECIS: Some Possibilities	240
C.T. YU	The Stability of Two Common Matching Functions in Classification with Respect to a Proposed Measure	248
DAGOBERT SOERGEL	Is User Satisfaction a Hobgoblin?	256
	BRIEF COMMUNICATION	
BARBARA LAWRENCE	Preparation of Desk-Top Literature Indexes for Ongoing Research Projects	260
	Book Reviews	262
	Letters to the Editor	263
COVER	Happy Birthday	

No. 5, September 1976

F.H. SPAULDING R.O. STANTON	Computer-Aided Selection in a Library Network	269
JAN H. HASPERS	The Yield Formula and Bradford's Law	281
EUGENE GARFIELD	The Permuterm Subject Index: An Autobiographical Review	288
DEREK DE SOLLA PRICE	A General Theory of Bibliometric and Other Cumulative Advantage Processes	292
WARREN T. JONES	A Fuzzy Set Characterization of Interaction in Scientific Research	307

No. 6, October 1976

PAUL B. KANTOR	Availability Analysis	311
BANI K. SINHA RICHARD C. CLELLAND	Application of a Collection-Control Model for Scientific Libraries	320
HAROLD WOOSTER	An Experiment in Networking: The LHNCBC Experimental CAI Network, 1971-1975	329
JOHN H. HUBERT	On the Naranan Interpretation of Bradford's Law	339
DONALD B. CLEVELAND	An *n*-Dimensional Retrieval Model	342
	Book Reviews	348
	Letter to the Editor	353
	Index	354
COVER by J. ELIAS	THOTH – Patron of Writing	